

Abstract

The present invention provides an optical connection structure and optical connection method for enabling a connection characterized by a simple structure, ability to retain optical fibers in an adhered state, easy installation and detachment/attachment, and excellent optical stability. The optical connection structure proposed by the present invention has a solid viscous connection member having refractive-index matching property disposed in a single layer state between the end faces of mutually opposing optical transmission media or between the end face of an optical transmission medium and an optical component that are mutually opposing. The solid viscous connection member should desirably be made of silicone resin or acrylic resin.